

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

PUBLICATION NUMBER : 57112266  
PUBLICATION DATE : 13-07-82

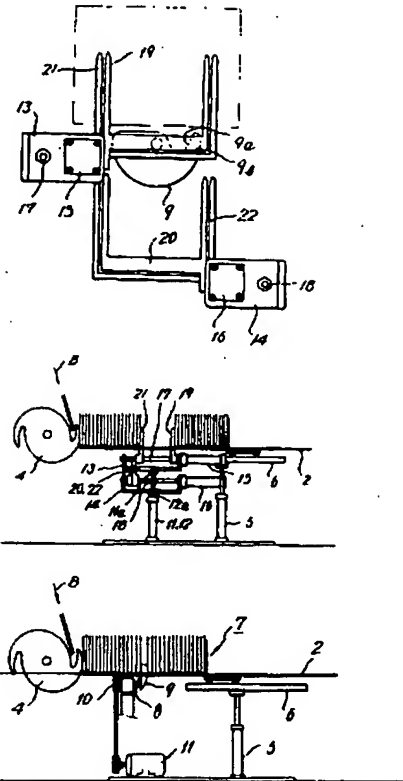
APPLICATION DATE : 27-12-80  
APPLICATION NUMBER : 55188704

APPLICANT : YAMADA KIKAI KOGYO KK;

INVENTOR : MURATA KOICHI;

INT.CL. : B65H 33/02 B42C 19/08 B65H 29/40

TITLE : CLASSIFICATION DEVICE FOR  
FOLDED BOOK



ABSTRACT : PURPOSE: To allow to classify automatically in the device classifying folded books automatically for each predetermined quantity, by preparing a movable plate which does not follow to the direction of going away from the folded book feeding board of each pulling plate but follows only to the direction nearing to it.

CONSTITUTION: When a folded book A is fed, it is received by the notch 4b of the clockwise rotating feed board 4, is transferred to the folded book receiver 2 and is supported by the back-up plate 7. When feeding of a certain predetermined quantity is detected by the rotation of the board 4, the separation board 9 is rotated by the operation of the electromagnetic clutch 10 to make edges with the notch 9a half rotation to insert square portion 9b enter into the predetermined number position of the row of the folded book A', and stops to make 9b to the under side to classify the book with the thick circumferential edge of the board 9. Then, the mutually superposed movable plate 21 and pulling plate 19 are raised by the operation of the cylinder 11, and are inserted into the gap made by the board 9, then the pulling plate 19 is pulled with the cylinder 15 to segregate a certain quantity of books to be taken out. Further, the movable plate 21 is transferred to the right side as the folded book is being fed and falls down at a determined position.

COPYRIGHT: (C)1982,JPO&Japio